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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004,707	12/03/2001	Jac-Hong Lee	671-7(P9966)	7611

7590

12/17/2003

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EXAMINER

DINH, NGOC V

ART UNIT	PAPER NUMBER
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2187

DATE MAILED: 12/17/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

10/004,707

Applicant(s)

LEE, JAE-HONG

Examiner

NGOC V DINH

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 and 12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8-11 and 13 is/are allowed.
- 6) ☒ Claim(s) 1-7, 12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1-7, 12 are rejected under 35 U.S.C.102 (e) as being anticipated by Pekarich et al. PN 6,549,998.

1. As per claims 1,6:

Pekarich teaches an apparatus for randomly outputting data stored sequentially in a memory, comprising: a first index representing a location in said memory [index table, 304, fig. 3]; means for comparing a reference parameter [e.g., frame size (N turbo + 1) is the length of the segment of the data; col. 1, lines 35-40] representative of the size of a block of input data stored in said memory to said first index; and means for outputting data stored in said memory location if said reference parameter is less than or equal to said first index; and a comparator [310, fig. 3] for receiving index from index generator and reference parameter and outputting secondary control signal if index is less than or equal to reference parameter [col. 1, lines 33-55; col. 2, lines 13-50].

2. As per claims 2, 5:

with respect to claims 2 and 4, Pekarich teaches secondary control signal is a signal generated by said apparatus for generating second index if said reference parameter is greater than said first index [col. 4, line 62 to col. 5, line 4;

3. As per claims 3, 4:

With respect to claims 3, 4 implicitly, Pekarich teaches the apparatus comprising means for generating first index comprises an index generator for generating first or second index upon input of a primary or a secondary control signal; wherein primary control signal is a signal periodically received by said means for generating said first index to initiate the generation of said first index [e.g., one of a plurality of index

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values ... are identified by the corresponding address signal, col. 7, line 15-20; col. 3, lines 35-55. This is because each index is generated when the control signal associated with that particular index is asserted.

4. As per claim 7:

Pekarick teaches address generator for generating a memory output command upon input of a third control signal [col. 4, lines 1-15].

5. As per claim 12:

Pekarich teaches the claimed limitations as mention above (claim 1) and further limitation of “ sequentially storing input data into memory [col. 1, lines 25-30]. Inherently, Pekarich teaches outputting a memory address associated with first index if second index is not generated; and outputting a memory address associated with second index if second index is generated. This is because when the first index is satisfied the comparison condition [e.g., first index is greater than data size], then it is not necessary to generate second index, therefore only address associated with the first index will be output. When the first index is not satisfied the comparison condition, the second index must be generated in order to output memory address associated with this second index.

Allowable Subject Matter

5. As per claims 8-11, 13

Claims 8-11, 13 are allowed over the art of record.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Crozier et al PN 6,339,834 discloses interleaving with index generator.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ngoc Dinh whose telephone number is (703) 305-3023. The examiner can normally be reached on Monday-Friday 8:30 AM-5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald A. Sparks, can be reached on (703) 308-1756. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

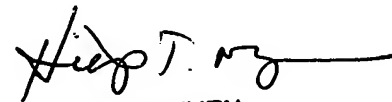


NGOC DINH

Patent Examiner

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December 2, 2003



HIEP T. NGUYEN
PRIMARY EXAMINER



DONALD SPARKS

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